

Composites recycling Analytics using MTConnect

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Polymer matrix composites have gained enormous popularity in one the past few decades due to their ability to provide high strength at low weights, thermal insulation, environmental resistance, etc. They find innumerable applications in the aerospace and biomedical industries. Common processing techniques for these composites include different types of molding (e.g. transfer, injection and compression) and extrusion. Usually the feed in these processes contains some amount of recycled matter. Currently there is little to no interoperability for controlling the nature of the recycled feed. MTConnect Standard provides a great means for establishing this interoperability and can thus help in improving this industry's productivity.